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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of

Complete if Known				
Application Number	10/725,140	_		
Filing Date	December 1, 2003	_		
First Named Inventor	Henry L. Restarick			
Art Unit	3672	_		
Examiner Name	Bomar, Thomas S.	_		
Attorney Docket Number	2003-IP-011683 U1 USA	フ		

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (f Incom)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
7485		<sup>US-</sup> 3,640,341	02-08-1972	Braddick, et al.	
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Examiner Cite Initials* No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
	<u> </u>	Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>®</sup>
		GB 2345933	07-26-2000	Smith International, Inc.		
AYB		GB 1165190	09-24-1969	Texaco Development Corp.		
AB	ļ	EP 0945586	09-29-1999	Halliburton Energy Serv.		L

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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

\* Already cited on Form 1449 dated 1/22/04.

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 10/725,140 INFORMATION DISCLOSURE **Filing Date** December 1, 2003 STATEMENT BY APPLICANT First Named Inventor Henry L. Restarick Art Unit 3672 (Use as many sheets as necessary) **Examiner Name** Bomar, Thomas S. Attorney Docket Number Sheet 2 2 2003-IP-011683 U1 USA of

Everine	Cite	NON PATENT LITERATURE DOCUMENTS	1
Examiner Initials*	No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
YJS	:	Search Report for United Kingdom application GB 0426273.9	
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Æ JT Application Number 10/725,140

Filing Date December 1, 2003

First Named Inventor Henry L. Restarick

Art Unit 3672

Examiner Name Unassigned

Attorney Docket Number 2003-IP-011683 U1USA

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Sheet 1 of 2

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STATEMENT BY APP

**U. S. PATENT DOCUMENTS** Publication Date Name of Patentee or Pages, Columns, Lines, Where Examiner **Document Number** MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Number-Kind Code<sup>2</sup> (I known Figures Appear <sup>US-</sup> 5.361,843 11-08-1994 Shy, et al. us-US. US-US-US-US-US-US-US-US-US-US-US. US-US-UŞ-US-บร-

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INFORMAT	ION DIS	CLOSURE	Filing Date	December 1, 2003	
STATEMEN	IT BY A	PPLICANT	First Named Inventor	Henry L. Restarick	
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(Use as many sheets as necessary)			Examiner Name	Unassigned	
Sheet 2	of	2	Attorney Docket Number	2003-IP-011683 U1USA	
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SB		Office Action for serial number 10/253,671 dated November 17, 2004	
Examiner Signature		Date Considered 1/31/04	

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Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of

Complete if Known					
Application Number	10/725,140				
Filing Date	December 1, 2003				
First Named Inventor	HENRY L. RESTARICK				
Group Art Unit	UNASSIGNED				
Examiner Name	UNASSIGNED				
Attomey Docket Number	2003-IP-011683 U1 US				

**U.S. PATENT DOCUMENTS** U.S. Patent Document Pages, Columns, Lines, Where Relevant Date of Publication of Name of Patentee or Applicant Cite Examine Kind Code Cited Document of Cited Document Passages or Relevant Initials Number MM-DD-YYYY Figures Appear 5,318,122 06-07-1994 MURRAY et al. COLLINS et al. 07-19-1994 5.330.007 6,253,846 NAZZAI et al. 07-03-2001 6,431,283 DALE 08-13-2002 FITCH et al. 01-16-1996 5,484,383 10-31-1995 GONDOUIN 5,462,120 03-02-1999 FORSYTH 5,875,847 02-09-1999 5,868,210 JOHNSON et al. HADDAD 03-09-1999 5,879,108 DONOVAN et al. 08-28-2001 6,279,658 SCHWENDEMANN 08-28-2001 6.279.651 MALONE 08-24-1999 5,941,308 GOODHART 03-03-1987 4,646,836 07-07-1992 STEWART 5,127,457 **JENNINGS** 06-23-1992 5.123.488 2003/0024700 CAVENDER 02-06-2003 08-22-2002 OHMER et al. 2002/0112857

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Examiner Initials	No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Applicant of Cited Document Cited Document Pass		Passages or Relevant Figures Appear	Ţ6
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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>8</sup> Applicant is to place a check mark here if English language Translation is attached.

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#### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Compl	et If Known
Application Number	10/725,140
Filing Date	December 1, 2003
First Named Inventor	HENRY L. RESTARICK ET AL.
Group Art Unit	UNASSIGNED
Examiner Name	UNASSIGNED
Attorney Docket Number	2003-IP-011683 U1 US

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
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				U.S. PATENT DOCL	IMENTS	
Examiner Initials	Cite No. <sup>1</sup>	Number	iment d Code <sup>2</sup> known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>C</i> y(S)		5,680,901		Robert Gardes	10-28-1997	
		6,354,375		Charles H. Dewey	03-12-2002	
		5,339,904		Alfred R. Jennings, Jr. et al.	08-23-1994	
		6,615,920		Gary J. Collins, et al.	09-09-2003	
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Initials'	Cite No. <sup>1</sup>	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (# known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T6
183	-	CA	2301966	A1	Halliburton Energy Services, Inc.	09-22-2001		
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<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (MPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known						
Application Number 10/725,140						
Filing Date	December 1, 2003					
First Named Inventor	Henry L. Restarick					
Group Art Unit	Unassigned					
Examiner Name	Unassigned					
Attorney Docket Number	2003-IP-011683 U1 US					

				U.S. PATENT DOCU	JMENTS	
xaminer nitials	Cite No.1	U.S. Patent Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
2		5,839,508		Paulo Tubel et al.	11-24-1998	
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				Application Number	10/725,140	
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Sheet	2	of	2	Attorney Docket Number	2003-IP-011683 U1 US	

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Examiner Signature	Date Considered	1/31/06
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of

Complete if Known					
Application Number	10/725,140				
Filing Date	December 1, 2003				
First Named Inventor	Henry L. Restarick				
Group Art Unit	3672				
Examiner Name	Unassigned				
Attorney Docket Number	2002-IP-011683 U1 USA				

	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Mumber	ument nd Code <sup>2</sup> known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
XIB		6,615,920		Collins, et al.	09-09-2003			
64		5,680,901		Gardes	10-28-1997			
		6,422,312		Delatorre, et al.	07-23-2002			
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Examiner Initials	Cite No.1	Office3	Number <sup>4</sup>	Kind Code <sup>5</sup> (# known)	Applicant of Cited Document	Cited Document Passages or Relevant Figures Appear		T⁵
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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-latter code (MPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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#### **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

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Complete if Known					
Application Number	10/725,140				
Filing Date	December 1, 2003				
First Named Inventor	Henry L. Restarick				
Group Art Unit	3672				
Examiner Name	Unassigned				
Attorney Docket Number	2003-IP-011683 U1 US				

-		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	<b>T2</b>
Als		Office Action for serial no. 10/253,136 dated January 5, 2004	
SKS		Office Action for serial no. 10/253,324 dated March 30, 2004	
THS.		International Search Report for application no. PCT/US03/26791	
TfB		International Search Report for application no. PCT/US03/26360	
AK		U.K. Search Report for application no. GB 0322266.8	
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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•			U.S. PATENT DOCU	JMENTS	
Examiner Initials			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AH3		6,079,494	Longbottom, et al.	06-27-2000	
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		5,941,308	Malone, et al.	08-24-1999	
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initials	No.1	Office <sup>3</sup> Number <sup>4</sup>		Kind Code <sup>5</sup> (If known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T⁰			
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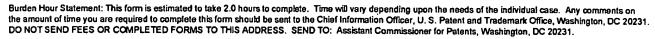
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Substitut	le for form 1449B/	PTO		Complete if Known			
				Application Number	10/725,140		
INFO	ORMATIC	ON DIS	SCLOSURE	Filing Date	December 1, 2003		
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Henry L. Restarick		
				Group Art Unit	3672		
(use as many sheets as necessary)			s necessary)	Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	2003-IP-011683 U1 USA		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
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